What is Claimed is:

1	1. A method of representing an entity as a document using a data source
2	having an associated property and content information related to the entity, the
3	method comprising:
4	identifying the data source as having the associated property;

- retrieving the content information from the identified data source; and
 providing the retrieved content information as at least a portion of the
 document.
- 1 2. The method of claim 1 wherein the entity is a task.
- 1 3. The method of claim 1 wherein the entity is a person.
- 1 4. The method of claim 1 wherein the entity is an object.
- 1 5. The method of claim 1 wherein the entity is a device.
- 1 6. The method of claim 1 wherein the data source is a document.
- The method of claim 1 wherein the data source is a device.
- 1 8. The method of claim 7 wherein the device is a phone.

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1	9	The method	of claim 7 wherein the device is a printer.	
1	10.	The method	of claim 7 wherein the device is a camera.	
1	11.	A method o	f representing an entity as a document using a plurality of data	
2	sourc	es, a first one	of the data sources having a first associated property and first	
3	conte	nt informatior	related to the entity, a second one of the data sources having	
4	a seco	ond associated	property and second content information related to the entity,	
5	the m	the method comprising:		
6		identifying t	he first data source as having the first associated property;	
7	identifying the second data source as having the second associated property;			
8		retrieving th	ne first content information from the first data source and the	
9	secon	second content information from the second data source; and		
10		combining t	he retrieved first and second content information to define at	
11	least a portion of the document.			
1	12.	A document	t management system for representing an entity as a document	
2	using a data source having an associated property and content information related			
3	to the entity, the system comprising:			
4		a bit provide	er configured to:	
5		i)	identify the data source as having the associated property;	
6		ii)	retrieve the content information from the identified data	
7	source	e; and		
8		iii)	provide the retrieved content information as at least a portion	

of the document.

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1	13. A system for representing an entity as a document using a plurality of data		
2	sources, a first one of the data sources having a first associated property and first		
3	content information related to the entity, a second one of the data sources having		
4	a second associated property and second content information related to the entity,		
5	the system comprising:		
6	a bit provider configured to:		
7	i) identify the first data source as having the first associated		
8	property;		
9	ii) identify the second data source as having the second		
10	associated property;		
11	iii) retrieve the first content information from the first data		
12	source and the second content information from the second data source; and		
13	iv) combine the retrieved first and second content information		
14	to define at least a portion of the document.		
1	14. The document management system of claim 13 further comprising:		
2	an application interface in communication with the bit provider, the		
3	application interface configured to provide the document to an application.		
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1	15. A system for representing an entity as a document, the system comprising:		
2	a data storage layer including a plurality of data sources, a first one of the		
3	data sources having a first associated property and first content information related		
4	to the entity, a second one of the data sources having a second associated property		
5	and second content information related to the entity.		

6	an application layer including a plurality of applications;		
7	a document management layer interposed between the data storage layer and		
8	the application layer, the document management layer including:		
9	a) a bit provider in communication with the data storage layer		
10	and configured to:		
11	i) identify the first data source as having the first		
12	associated property;		
13	ii) identify the second data source as having the second		
14	associated property;		
15	iii) retrieve the first content information from the first		
16	data source and the second content information from the second data source;		
17	iv) combine the retrieved first and second content		
18	information to define at least a portion of the document; and		
19	b) an application interface layer configured to receive the		
20	document from the bit provider and provide the document to an application.		
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1	16. The system of claim 15 wherein the application interface layer includes a		
2	plurality of interfaces each associated with a respective one of the plurality of		
3	applications and configured to provide the document to a respective associate		
4	application.		
1	17. A method of representing a physical device as a document, the physical		
2	device having an associated property and content information stored in a memory		
3	unit situated within the physical device, the method comprising:		
4	identifying the physical device as having the associated property:		

5		retrieving the content information from the identified physical device; and
6		providing the retrieved content information as at least a portion of the
7	docun	nent.
1	18.	The method of claim 17 wherein the physical device is a telephone, and the
2	conter	nt information includes a phone number.
1	19.	The method of claim 17 wherein the physical device is a telephone, and the
2	conter	nt information includes an address.
1	20.	The method of claim 17 wherein the physical device is a printer, and the
2	conter	nt information includes a list of outstanding print jobs.
1	21.	The method of claim 17 wherein the physical device is a camera, and the
2	conter	nt information includes image data.
1	22.	The method of claim 17 wherein the physical device is a UNIX machine, and
2	the co	ntent information includes status information for the UNIX machine.
1	23.	A system for representing a physical device as a document, the physical
2	device	having an associated property and content information stored in a memory
3		tuated within the physical device, the system comprising:
4		a bit provider configured to:

identify the physical device as having the associated property;

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6		ii) retrieve the content information from the identified physical		
7	devid	ce; and		
8		iii) provide the retrieved content information as at least a portion		
9	of the	e document.		
1	24.	The system of claim 23 further comprising:		
2		an application interface in communication with the bit provider, the		
3	appli	cation interface configured to provide the document to an application.		
1	25.	The system of claim 24, the bit provider further configured to:		
2		iv) receive additional content information from the application		
3	via tł	ne application interface; and		
4		ii) send the additional content information to the identified		
5	physi	cal device via a communications path.		
1	26.	The system of claim 25 wherein the communications path includes a short		
2	message service ("SMS") gateway.			
1	27.	The system of claim 25 wherein the communications path includes an e-mail		
2	gatev			
1	28.	The system of claim 25 wherein the communications path is established, at		
2	least	least in part, over a local area network ("I AN")		

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files.

1	29. A method of representing a person as a document using a plurality of data			
2	sources, a first one of the data sources having a first associated property and first			
3	content information related to the person, a second one of the data sources having			
4	a second associated property and second content information related to the person,			
5	the method comprising:			
6	identifying the first data source as having the first associated property,			
7	identifying the second data source as having the second associated property;			
8	retrieving the first content information from the first data source and the			
9	second content information from the second data source; and			
10	combining the retrieved first and second content information to define at			
11	least a portion of the document.			
1	30. The method of claim 29 wherein the first data source is an image file and the			
2	first content information includes image data.			
1	31. The method of claim 29 wherein the first content information includes an e-			
2	mail address.			
1	32. The method of claim 29 wherein the first content information includes a			
2	telephone number.			

The method of claim 29 wherein the first content information includes a list

1	34.	A system for	representing a person as a document using a data source	
2	having	having an associated property and content information related to the person, the		
3	systen	system comprising:		
4		a bit provider	configured to:	
5		i)	identify the data source as having the associated property;	
6		ii)	retrieve the content information from the identified data	
7	source	e; and		
8		iii)	provide the retrieved content information as at least a portion	
9	of the	document.		
1	35.	The system o	f claim 34 further comprising:	
2		an applicatio	n interface in communication with the bit provider, the	
3	applic	ation interface	configured to provide the document to an application.	
1	36.	The system o	f claim 35, the bit provider further configured to:	
2		iv)	receive additional information from the application via the	
3	application interface, and			
4		ii)	send the additional information to the person via a	
5	comm	unications path	i.	
1	37.	The system of	f claim 36 wherein the communications path includes a short	
2	message service ("SMS") gateway.			

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- 1 38. The system of claim 36 wherein the communications path includes an e-mail
- 2 gateway.
- 1 39. The system of claim 36 wherein the communications path is established, at
- 2 least in part, over a local area network ("LAN").
- 1 40. A method of representing a computational process as a document, the
- 2 computational process being performed on a computer having a memory unit in
- which content information related to the computational process is maintained, the
- 4 method comprising:
- 5 retrieving the content information from the memory unit of the computer;
- 6 and
- 7 providing the retrieved content information as at least a portion of the
- 8 document.
- 1 41. The method of claim 40 wherein the computational process includes
- 2 operation of a Java Remote Method Invocation ("RMI") registry, and the content
- 3 information includes an object named in the RMI registry.
- 1 42. The method of claim 40 wherein the computational process includes
- 2 monitoring of a kernel.
- 1 43. A system for representing a travel approval process as a document using a
- 2 data source having an associated property and content information related to the
- 3 travel approval process, the system comprising:

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4	a bit provider configured to:		
5		i)	identify the data source as having the associated property;
6		ii)	retrieve the content information from the identified data
7	sourc	e; and	
8		iii)	provide the retrieved content information as at least a portion
9	of the	document.	
1	44.	The system of	of claim 43 further comprising:
2		an application	on interface in communication with the bit provider, the
3	applic	cation interface	configured to provide the document to an application.
1	45.	The system of	of claim 44, the bit provider further configured to:
2		iv)	receive additional information from the application via the
3	applic	ation interface;	; and
4		ii)	store the additional information.
1	46.	A system for	r representing a hiring process as a document using a data
2	source having an associated property and content information related to the travel		
3	approval process, the system comprising:		
4		a bit provider	configured to:
5		i)	identify the data source as having the associated property;
6		ii)	retrieve the content information from the identified data
7	source	e. and	

8	iii)	provide the retrieved content information as at least a portion
9	of the document.	

- 1 47. The system of claim 46 further comprising:
- an application interface in communication with the bit provider, the application interface configured to provide the document to an application.
- 1 48. The system of claim 47, the bit provider further configured to:
- 2 iv) receive additional information from the application via the application interface; and
- 4 ii) store the additional information.
- 1 49. The system of claim 48 wherein the communications path includes a short 2 message service ("SMS") gateway.
- 1 50. The system of claim 48 wherein the communications path includes an e-mail gateway.
- 1 _ 51. The system of claim 48 wherein the communications path is established, at least in part, over a local area network ("LAN").